



**EXHIBIT OSS – 58**

**Telecommunications Access Gateway (TAG)  
Testing Agreement For CLEC**



**Telecommunications Access Gateway (TAG)**

**Testing Agreement**

**For**

**CLEC**

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**CLEC TESTING AGREEMENT:**

**About This Agreement:**

**Audience:**

The BellSouth TAG Testing Agreement document is intended for Competitive Local Exchange Carriers who order local exchange products and services from BellSouth Telecommunications, Inc. via Telecommunications Access Gateway.

**Acronyms:**

The following acronyms are used throughout this document:

<b>ANSI</b>	American National Standards Institute
<b>ASC</b>	Accredited Standards Committee
<b>BLP</b>	Business Logic Processor
<b>BST</b>	BellSouth Telecommunications, Inc.
<b>CLEC</b>	Competitive Local Exchange Carrier
<b>TAG</b>	Telecommunications Access Gateway
<b>LCSC</b>	Local Carrier Services Center
<b>LNPGW</b>	Local Number Portability Gateway
<b>LNP</b>	Local Number Portability
<b>LEO</b>	Local Exchange Ordering (system)
<b>NPAC</b>	Number Portability Administration Center
<b>SAIC</b>	Science Application International Corporation
<b>TCIF</b>	Telecommunications Industry Forum

**Related Documentation:**

LEO-Implementation Guide, TAG Programmers Job Aid and the API Reference Guide.

**Technical Assistance:**

Appendix A lists BellSouth Testing contacts.

## **TAG Testing Agreement Overview:**

This introduction provides an overview of the BellSouth TAG testing agreement.

## **Introduction:**

This document describes testing guidelines to be used by CLECs when testing systems for ordering local exchange products and services from BST via TAG.

## **Purpose:**

The testing process described in this document is designed to validate BST - CLEC TAG local exchange ordering procedures. The testing achieves the following goals:

- Verification of connectivity between BST and CLEC.
- Compliance with the TAG API standards.
- CLEC compliance with BST usage requirements as presented in the BellSouth Local Exchange Ordering (LEO) Implementation Guide and the API Reference Guide.
- Proof of CLEC's ability to send local exchange order requests to BST.
- Proof of BST's ability to electronically acknowledge CLEC order requests.
- Proof of BST's ability to translate and process CLEC LSR(s).
- Proof of CLEC's ability to respond electronically to BST's firm order confirmation and completions. Completion notices are not sent on LNP orders during Validity testing.

This document is a supplement to the TAG Testing Guidelines included in the LEO Implementation Guide, Vol. One. Outlined here are the business operational parameters set forth for the purpose of conducting TAG End-to-End testing with CLECs. Any arrangements other than those outlined in the TAG Testing Guidelines, LEO - Implementation Guide (LEO-IG) or in this document, must be negotiated with the LCSC Testing Staff.

**Connectivity:**

Connectivity validates the CLECs ability to communicate with BellSouth; and BellSouth's ability to return a communication. There are two types of connectivity:

1. Internet Access
2. LAN to LAN Access

**End-to-End Testing:**

This chapter describes the requirements for performing End-to-End Testing with BST, including entrance and exit criteria.

**Definition:**

End-to-End Testing (ETET) verifies that data content provided by the CLEC is meaningful to the LEO and ordering systems at BST. This testing also verifies that the data content will remain valid throughout the full order cycle as identified by the business transactions listed below.

End-to-End Testing must be conducted for all new CLECs ordering local exchange products or services and for those existing CLECs who make system modifications to enhance their ordering capabilities. End-to-End Testing is also required when changes are made to TAG to accommodate industry standards (TCIF or ANSI).

There are 2 types of ETET:

1. Application Testing
2. Validity Testing

End-to-End Testing Business Transactions

- Local Exchange Order from CLEC
- Firm Order Confirmation from BST
- Purchase Order Change Request from CLEC
- Acknowledgment of Change Request from BST

- Acknowledgment of Completion Notice from BST. Completion notices will not be sent for LNP transactions.

**Connectivity Testing:**

Connectivity testing will occur prior to Application testing. The CLEC must select one of the following to conduct a ping test in one business day:

1. Internet
2. LAN to LAN

**Entrance Criteria:**

- Successful completion of training

**Exit Criteria:**

- Successful completion of connectivity testing

**Application Testing:**

Application testing will occur during development of the CLEC application. The CLEC will perform standard test cases against TAG test environment pointing to a BLP/pre-order and order simulator. This test will be monitored by SAIC.

**Entrance Criteria:**

- Connectivity must be successfully completed by the CLEC before Application Testing begins.
- LSR(s) are to be formulated using test cases provided by BellSouth.

The testing may include all or a sub-set the CLEC pre-order request of:

- Address Validation
- Telephone Number Selection/Reservation
- Service Availability

- Appointment Availability
- Retrieval of Customer Record

The firm order requests based on the CLEC's primary business functionality.

- Up to 40 LSR(s) can be processed and reviewed during Application testing, with a composition of:
- Security Violation Testing
- Password Aging
- All LSR(s) for Application testing must be issued within 3 weeks, beginning on the negotiated start date.

**Exit Criteria:**

BST notifies CLEC that Application Testing has concluded successfully and BST is ready to move to Validity testing.

**Validity:**

Validity is an extension of Application testing that will result in a service order, FOC, and Completion Notice (CN) for firm order. This testing will include a verification of error messages received and returned.

Pre-Order-A pre-defined set of test cases used by the CLEC and the expected data will be returned.

Firm Order - A pre-defined set of test used by the CLEC that will generate a service order, FOC and CN.

The Electronic Interface Staff will monitor these transaction responses based on the unique transaction identifiers for pre-order.

During firm order testing, the Electronic Interface Staff, will incorporate the transaction responses for pre-order and the firm order service request in the measurements for successful testing.

Validity testing will use a subset of the test cases conducted in Application testing.

**No NPAC messages will be sent for LNP orders during Validity testing.**  
**No Completion Notices will be sent for LNP orders during Validity testing.**

**Entrance Criteria:**

- Application testing must be successfully completed by the CLEC before Validity testing begins.
- LSR(s) are to be formulated using test cases provided by BellSouth.
- Up to 20 LSR(s) can be processed and reviewed within three weeks.
- All LSR(s) for validity testing must be issued within a (3) three week timeframe, beginning on the negotiated start date. All LSR(s) will be evaluated up to and including the last version of the LSR(s) received during the (3) three week timeframe.
- NPAC messages are not processed for LNP LSR(s).
- Completion Notices will not be generated for LNP LSR(s).

**Procedures:**

The following list details the End-to-End procedures:

1. BST and CLEC agree on the date to send first End-to-End test order.
2. Send LSR(s) by 11:30 AM EST and corrections (Sups) by 3:30 PM EST.
3. Only one testing session (one test agreement) per CLEC can be in progress at a time.

**Exit Criteria:**

BST notifies CLEC that End-to-End Testing has concluded successfully and BST is ready to move to production.

Service Readiness Testing (SRT):

Service Readiness Testing is conducted at the end of the Validity testing. Service Readiness is conducted to ensure production readiness. The CLEC will conduct this phase of testing with actual production data from their end user base. BellSouth will allow the CLEC to connect directly to the TAG production server and conduct the following with the CLEC:

- Connectivity test
- One Pre-Order test
- One Firm Order test

**When these three (3) tests are scheduled for testing, BellSouth expects the tests will be conducted on the same day. On those occasions when all three (3) tests cannot be conducted on the same day, then this phase will last only three (3) days.**

**Entrance Criteria:**

- Successful completion of Validity testing
- SRT testing is conducted in production
- BellSouth and the CLEC will agree on how many LSR(s) can be received during SRT.
- LSR(s) for SRT must be issued within a (1) one week timeframe beginning on the negotiated start date.

**Exit Criteria:**

- Successful completion of the Connectivity testing, Pre-order and Firm order testing for production readiness

After BellSouth acknowledges the success of these tests, the CLEC is released from the testing phase to production.

**Test Cases:**

- BST uses test cases to verify that CLECs can submit pre-order and firm order transactions and send acknowledgments for these products and services via TAG.
- BellSouth's LCSC staff will provide the actual test case data to CLECs prior to testing.
- CLEC may be required to use their own data to test certain activities.
- CLEC will provide actual data & accounts for SRT.

**(INSERT TEST CASES FOR CLEC USE)**

**Appendix A - Contacts:**

**Appendix A lists BellSouth testing and Account Team contacts:**

<u>Contact Type</u>	<u>Name</u>	<u>Phone Number</u>	<u>FAX</u>
<b>BellSouth Account Representative</b>			
<b>TAG Test Manager (Non-LNP)</b>			
<b>TAG Test Manager (LNP)</b>			
<b>SAIC Process Manager</b>			

**Appendix B - CLEC/BST Specific Details / Sign Off:**

**Types of Testing:**

**Connectivity:**      **Start Date:**      **End Date:**

LAN to LAN

Internet

**Application:**                      **Start Date:**              **End Date:**

**Validity: LNP**                      **Start Date:**              **End Date:**

**Validity: Non-LNP**              **Start Date:**              **End Date:**

**SRT**

**Test Cases Types:**    **Pre-order**    **Firm Order**     **Both**

**Description of the Types of Cases:**    **Defined in Application Testing Plan**

**Testing Procedures:**

**General Agreements:**

<b>Contact Type</b>	<b>Name</b>	<b>Phone</b>	<b>FAX</b>
<b>BST Account Representative</b>			
<b>CLEC Lead Negotiator</b>			
<b>CLEC Test Manager</b>			
<b>BST Test Manager (LNP)</b>			
<b>BST Test Manager (Non-LNP)</b>			
<b>SAIC Process Manager</b>			

**Addendum:**

